CLAIMS

1. A method for forming a cylindrical cutting element body of a predetermined diameter having a canted end surface, the method comprising the steps of:

forming a cylindrical work piece having a central axis and a diameter twice the predetermined diameter and a convex protrusion extending from an end of the cylindrical work piece; and

cutting the cylindrical body from the cylindrical work piece such that the outer surface of the cylindrical body is cut tangent to the outer surface of the cylindrical work piece.

2. A method as recited in claim 1 further comprising the step of cutting a second cylindrical body from the cylindrical work piece wherein the outer surface of the second cylindrical body is cut tangent to the outer surface of the cylindrical work piece.

3. A method as recited in claim 2 wherein the step of cutting a second cylindrical body comprises the step of cutting a second cylindrical body tangent to the first cylindrical body at the central axis of the work piece.

4. A method for forming a cylindrical cutting element body of a predetermined diameter having a canted end surface, the method comprising the steps of:

forming a cylindrical work piece having a cylindrical outer surface and a longitudinal central axis and a diameter at least twice the predetermined diameter and a convex protrusion extending from an end of the cylindrical work piece; and

cutting the cylindrical body from the cylindrical work piece, wherein cylindrical body comprises a longitudinal central axis the central axis, wherein the longitudinal central axis of the workpiece is offset from the longitudinal central axis of the cylindrical body.

5. A method as recited in claim 4 further comprising the step of cutting a second cylindrical body from the cylindrical work piece wherein the second cylindrical body comprises a longitudinal central axis offset from the longitudinal central axis of the work piece.

6. A method as recited in claim 5 wherein the step of cutting a second cylindrical body comprises the step of cutting a second cylindrical body tangent to the first cylindrical body at the central axis of the work piece.

7. A method as recited in claim 4 wherein the step of cutting the first cylindrical body comprises the step of cutting the first cylindrical body having a cylindrical outer surface tangent to the outer cylindrical outer surface of the workpiece.

8. A method as recited in claim 7 further comprising the step of cutting a second cylindrical body from the cylindrical work piece, wherein the second cylindrical body comprises a longitudinal central axis offset from the central longitudinal axis of the workpiece and wherein the second cylindrical body outer surface is tangent to workpiece cylindrical outer surface.